Approved Land Uses, Conservation Practices, and Resource Concerns to Support the National On-Farm Energy Initiative

Approved Land Uses

Crop, Pasture, Range, Farmstead

Approved Resource Concerns

Inefficient Energy Use – Equipment and Facilities
Inefficient Energy Use – Farming/Ranching Practices

Approved Conservation Practices

Core Practices—A conservation practice listed in the Field Office Technical Guide (FOTG) that is essential to address the natural resource concerns identified by an initiative.	**Code**
Agricultural Energy Management Plan	128
Farmstead Energy Improvement	374
Irrigation Water Management	449
Pumping Plant	533
Lighting System Improvement	670
Building Envelope Improvement	672

Supporting Practices—A conservation practice listed in the FOTG that may be needed to facilitate the implementation of a core practice or, along with other approved conservation practice, needed to address the natural resource concerns identified by the initiative.	**Code**
Conservation Crop Rotation	328
Residue and Tillage Management, No Till/Strip Till/Direct Seed	329
Cover Crop	340
Residue and Tillage Management, Mulch Till	345
Combustion System Improvement	372
Windbreak/Shelterbelt Establishment	380

Conservation Practice—Resource Concern Matrix

NRCS Approved Resource Concerns	**Inefficient Energy Use**			**Inefficient Energy Use**	
NRCS Natural Resource Concern Categories for ProTracts Application, Evaluation, and Ranking Tool (AERT) **"C" = Core practice (Bold)** required to be offered. "X" = Supporting practices are optional to be offered	**Equipment and Facilities**		**Rationale**	**Farming/ Ranching Practices**	**Rationale**
Conservation Practice	Code				
Agricultural Energy Management Plan	128	N/A		N/A	
Farmstead Energy Improvement	374	**C**	Identified in AgEMP-HQ or On-Farm Energy Audit		
Irrigation Water Management	449			**C**	Allows capture of surface water and reduces the need to draw groundwater
Pumping Plant	533	**C**	Identified in AgEMP-HQ or On-Farm Energy Audit	**C**	Identified in AgEMP– Landscape and efficient pumping plant reduces energy use
Lighting System Improvement	670	**C**	Identified in AgEMP-HQ or On-Farm Energy Audit		
Building Envelope Improvement	672	**C**	Identified in AgEMP-HQ or On-Farm Energy Audit		

Combustion System Improvement	372			X	Improve the energy efficiency of agricultural combustion for irrigation systems
Conservation Crop Rotation	328			X	Inclusion of legumes in crop rotation can reduce need for nitrogen inputs
Residue and Tillage Management, No Till/Strip Till/Direct Seed	329			X	No tillage operations, fewer trips across the field
Cover Crop	340			X	Legume cover crops can reduce nitrogen inputs
Residue and Tillage Management, Mulch Till	345			X	Fewer tillage trips across the field and less horse-power require-ments
Windbreak/Shelterbelt Establishment	380	X	Reduces heating around farmstead.		